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**TITLE: DEVICE AND METHOD FOR MONITORING VACUUM
DEVICE**

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ABSTRACT:

**PURPOSE: To automatically measure the vacuum pressure in a
vacuum chamber and
plot the relation between the time and vacuum pressure in a
graph by
periodically collecting the vacuum pressure data of a vacuum
gauge by
connecting a personal computer with the vacuum gauge and**



st ring the vacuum
pr ssur data in connection with the time.

CONSTITUTION: The vacuum pr ssure data of a vacuum gauge
(ion gauge controller)
3 of a vacuum device are collected, preserved, and analyzed by
means of a
personal computer 4. The computer 4 is provided with a display
4a, keyboard
4b, built-in hard disk 4c, built-in floppy disk 4d, and external
fl ppy disk
4e. Since the computer 4 is connected with the gauge 3, the
vacuum pressure
data of the gauge 3 are periodically collected and the vacuum
pressure data are
stored on the disks 4d and 4e together with their collecting time
and, at the
same time, plotted in a graph on the display 4a. In addition, the
vacuum
pressure data are periodically collected from the commencement
of xhaust and
the use of the vacuum is discriminated as 'good' when the
vacuum pressure is
lower than a preset value after a prescribed period has elapsed
or as 'not
g od' when the pressure is higher than the preset value.

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